

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Hembree et al.

**Serial No.:** Not yet assigned

**Filed:** August 29, 2003

**For:** METHOD AND PROCESS OF  
CONTACT TO HEAT SOFTENED  
SOLDER BALL ARRAY

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 2269-3634.4US  
(97-1094.04/US)

**NOTICE OF EXPRESS MAILING**

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

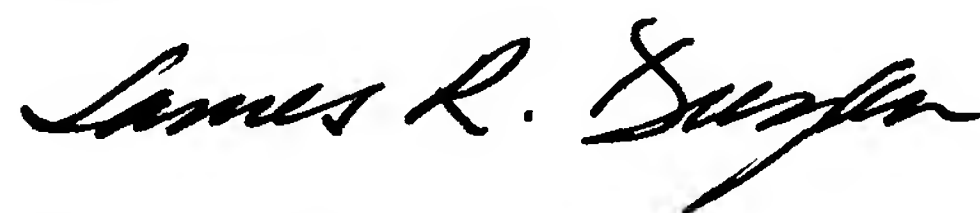
Sir:

The present application is a continuation of application Serial No. 10/196,396, filed July 15, 2002, pending, which is a continuation of application Serial No. 09/892,156, filed June 26, 2001, now U.S. Patent 6,420,681, issued July 16, 2002, which is a continuation of application Serial No. 09/618,885, filed July 18, 2000, now U.S. Patent 6,329,637, issued December 11, 2001, which is a continuation of application Serial No. 09/145,832, filed September 2, 1998, now U.S. Patent 6,121,576, issued September 19, 2000.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior applications, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 or PTO/SB/08 form listing all of the information of record in the prior applications is enclosed herewith.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

Respectfully submitted,



James R. Duzan  
Registration No. 28,393  
Attorney for Applicants  
TRASKBRITT  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: August 29, 2003  
JRD/sls:djp

Enclosures: Form PTO-1449 or PTO/SB/08  
Document in ProLaw

Form PTO-1449

# INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
**3634.4US (97-1094.04/US)**

Application Number  
**Not yet assigned**

Applicant **Hembree et al.**Filing Date **August 29, 2003**Group Art Unit **Unknown**

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,332,341	06/1982	Minetti			
	4,371,912	02/1983	Guzik			
	4,638,348	01/1987	Brown et al.			
	4,761,681	08/1988	Reid			
	4,841,355	06/1989	Parks			
	4,868,712	09/1989	Woodman			
	4,956,694	09/1990	Eide			
	5,010,233	04/1991	Henschen et al.			
	5,012,323	04/1991	Farnworth			
	5,128,831	07/1992	Fox, III et al.			
	5,172,049	12/1992	Kiyokawa et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	56-59234	05/1981	Japan				
	60-194548	03/1985	Japan				
	3-132093	06/1991	Japan				
	5-82956	04/1993	Japan				
	7-176567	07/1995	Japan				

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,231,304	07/1993	Solomon			
	5,239,447	08/1993	Cotues et al.			
	5,311,401	05/1994	Gates, Jr. et al.			
	5,313,096	05/1994	Eide			
	5,373,189	12/1994	Massit et al.			
	5,384,689	01/1995	Shen			
	5,397,997	03/1995	Tuckerman et al.			
	5,616,958	04/1997	Laine et al.			
	5,625,221	04/1997	Kim et al.			
	5,637,536	06/1997	Val			
	5,639,695	06/1997	Jones et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	10-117065	05/1998	Japan				
	11-112133	04/1999	Japan				

## OTHER DOCUMENTS

*(Including Author, Title, Date, Pertinent Pages, Etc.)*


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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,639,696	07/1997	Liang et al.			
	5,642,261	06/1997	Bond et al.			
	5,648,679	07/1997	Chillara et al.			
	5,668,405	09/1997	Yamashita			
	5,677,566	10/1997	King et al.			
	5,686,318	11/1997	Farnworth et al.			
	5,834,945	11/1998	Akram et al.			
	5,911,897	06/1999	Hamilton			
	6,121,576	09/2000	Hembree et al.			
	6,329,637	12/2001	Hembree et al.			
	6,420,681	07/2002	Hembree et al.			
	6,614,003	09/2003	Hembree et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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